

-1- (JAPIO)

ACCESSION NUMBER

85-175368

TITLE

ZINC-ALKALINE PRIMARY CELL

PATENT APPLICANT

(2000582) MATSUSHITA ELECTRIC IND CO LTD

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APPLICATION DETAILS

84.02.20 84JP-030550, 59-30550

SOURCE

86.01.17 SECT. E, SECTION NO. 374; VOL. 10, NO. 11,
PG. 111.

INT'L PATENT CLASS

H01M-004/42

JAPIO CLASS

42.9 (ELECTRONICS--Other)

ABSTRACT

PURPOSE: To reduce the amalgamation factor of negative-electrode zinc and make a primary cell to have low environmental pollution by adding Al or Mg; one or more of Pb, Cd, Sn; and Al, Ag, In, etc. to Zn to form amalgamated zinc alloy for use as a negative-electrode active material.

CONSTITUTION: An alloy made by adding at least either Al or Mg, one or more of Pb, Cd, Sn, one or more of Ga, Tl, Ag, In to the main component Zn is pulverized, then it is amalgamated. This amalgamated zinc alloy is used as a negative electrode active material. Accordingly, the amalgamation factor is reduced and a zinc-alkaline primary cell having low environmental pollution and excellent in performance such as storage characteristic, leakage resistance can be obtained without deteriorating the corrosion resistance and discharge performance of the negative-electrode zinc.